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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Reissue Application of:

Kuriacose JOSEPH, et al.

Examiner: Nguyen, Dzung

Application No. Not yet assigned 09/672,523

Art Unit: 2783

Filed: September 27, 2000

FOR: APPARATUS FOR TRANSMITTING
AND RECEIVING EXECUTABLE
APPLICATIONS AS FOR A MULTI-
MEDIA SYSTEM, AND METHOD
AND SYSTEM TO ORDER AN ITEM
USING A DISTRIBUTED COMPUTING
SYSTEM

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Reissue of:

Patent no.: 5,819,034

Issued: 10/6/1998

Asst. Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

Sir:

Prior to examination of the present reissue application, Applicants respectfully request that the Examiner enter the following amendments and consider the following remarks.

IN THE CLAIMS

Please cancel claims 44, 156-157, 177-178, 192-193, 209-210, 228-229 and 241-242,

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02 FC:102 2560.00 CH

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Please amend the claims as follows:

10. (Amended) A method of facilitating ordering an item using a distributed computing system including at least one client [(20)] and at least one server [(10)], the method comprising:

showing and/or describing an item [offered for sale] to a user [(80)] via the client;

enabling the user to order the item by a single interaction with the client; and

in response to the single interaction with the client [(20)], [placing] causing an order for the [offered] item to be placed.

11. (Amended) The method of claim 10, wherein the single interaction is [by] one of the group including:

[a pressing] selecting of a single button; and

[a] pressing of a single button on a TV remote control.

12. (Amended) The method of claim 10, wherein [placing] causing the order to be placed is achieved by using:

information related to the item [being offered for sale]; and

user related personal information.

13. (Amended) The method of claim 12, wherein the personal information includes at least one of the group including a user's name, address, method of payment and [credit card] payment account number.

14. (Amended) The method of claim 12, wherein the personal information is stored in memory in the client.

15. (Amended) The method of claim 10, wherein the distributed computing system is an interactive television system and wherein the showing and/or describing of the item is, at least in part, by television signal.

16. (Amended) The method of claim 10, wherein the client [(20)] includes an auxiliary data processor [(50)] and a client computer [(22,24,26)].

17. (Amended) The method of claim 12, wherein the client [(20)] is associated with at least a set top box, and wherein the personal information is stored at the set top box.

18. (Amended) The method of claim 17, wherein the set top box is in communication with a local computer [(40)] and associated storage [(70)] and wherein the method further comprises:

the client [(20)] retrieving information from one or more of the local computer [(40)] and the [mass] associated storage [(70)].

19. (Amended) The method of claim 18, wherein the method further comprises:

controlling the client [(20)] by means of the local computer [(40)].

20. (Amended) The method of claim 18, wherein the local computer [(40)] is part of a local area network.

21. (Amended) The method of claim 10, wherein the system further includes a central processing facility [(60)] in communication with the server [(10)] and wherein the method comprises:

sending information used in processing the order from the client [(20)] to the central processing facility [(60)].

22. (Amended) The method of claim 10, further comprising:

sending an order confirmation to the user [(80)] to confirm the order.

23. (Amended) The method of claim 21, further comprising:

communicating information between the client [(20)] and the server [(10)] via the central processing facility [(60)].

24. (Amended) The method of claim 23, wherein a telephone system acts as the central processing facility [(60)].

25. (Amended) The method of claim 10 including receiving at the client [(20) a] data [stream] including:

(a) information to show and/or describe the item [offered for sale] via the client; and

(b) [an application, executable by the client,] information to enable the user to order the item by the single interaction with the client.

26. (Amended) The method of claim 25 wherein the data [stream] further includes an item identifier to identify the item [offered for sale].

27. (Amended) The method of claim 26 wherein the item identifier includes any one of a group of identifiers including a [time] code and a command.

28. (Amended) A method of facilitating ordering an item, the method comprising:

providing a client with information to show and/or describe an item [offered for sale] to a user; and

[providing the client with an application to enable] enabling the user to order the item by a single interaction with a client[, responsive to which an order is placed for the offered item].

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29. (Amended) The method of claim 28, wherein the single interaction comprises any one of the group including:

[a pressing] selecting of a single button; and

[a] pressing of a single button on a TV remote control.

30. (Amended) The method of claim 28, including receiving the order from the client, the order including:

information related to the item [being offered for sale]; and

user related personal information.

31. (Amended) The method of claim 30, wherein the personal information comprises any one of the group including a user's name, address, method of payment and [credit card] payment account number.

32. (Amended) The method of claim 30, [wherein application is to retrieve] including retrieving the personal information from a memory associated with the client.

33. (Amended) The method of claim 28, including providing the information in the form of a television signal.

34. (Amended) The method of claim 28 including communicating with a central processing facility [(60)] and wherein the client sends the order to the central processing facility [(60)] for receipt via a transceiver [(103)].

35. (Amended) The method of claim 34 wherein a telephone system acts as the central processing facility [(60)].

36. (Amended) The method of claim 28 including providing an order confirmation to the client to confirm the order.

37. (Amended) The method of claim [28]. 248 including multiplexing the provision of the information and the [application] code to the client to thereby generate [a] data [stream] for transmission to the client.

38. (Amended) A computer system to order an item, the system comprising:

a data processing system [(50)] to show and/or describe an item [offered for sale] to a user [(80)]; and

a client [(22, 24, 26, 50)] to enable the user to order the item by a single interaction with the client and, in response to the single interaction, to [place] cause an order for the [offered] item to be placed.

39. (Amended) The system of claim 38, wherein the single interaction comprises any one of the group including:

[a pressing] selecting of a single button; and

[a] pressing of a single button on a TV remote control.

40. (Amended) The system of claim 38, wherein the client is to place the order using:

information related to the item [being offered for sale]; and

user related personal information.

41. (Amended) The system of claim 40, wherein the personal information comprises any one of the group including a user's name, address, method of payment and [credit card] payment account number.

42. (Amended) The system of claim 40, wherein the personal information is stored in memory of the client.

43. (Amended) The system of claim 38, wherein the distributed computing system is an interactive television system and wherein the showing and/or describing of the item by the data processing system [(50)] is, at least in part, performed utilizing a television signal.

44. (Amended) The system of claim 38, wherein the client [computer (22)] is associated with at least a set top box, and wherein the personal information is stored at the set top box.

45. (Amended) The system of claim 44, wherein the set top box is in communication with a local computer [(40)] and associated storage [(70)] and wherein the client [computer (22)] is to retrieve information from one or more of the local computer [(40)] and the [mass] associated storage [(70)].

47. (Amended) The system of claim 46, wherein the local computer [(40)] controls the client [computer (22)].

48. (Amended) The system of claim 46, wherein the local computer [(40)] is part of a local area network.

49. (Amended) The system of claim 38, including a central processing facility [(60)] in communication with a server [(10)] and wherein the client [(20)] sends information used in processing to the central processing facility [(60)].

50. (Amended) The system of claim 49 wherein the server [(10)] is to send an order confirmation to the user [(80)] to confirm the order.

51. (Amended) The system of claim 49, wherein the central processing facility [(60)] is to communicate information between the client and the server [(10)].

52. (Amended) The system of claim 51 wherein a telephone system acts as the central processing facility [(60)].

53. (Amended) The system of claim 38 including a data [stream] receiver [(207)] to receive [a] data [stream] including:

information to show and/or describe the item [offered for sale] via the client; and

[an application, executable by the client,] information to enable the user to order the item by a single interaction with the client.

54. (Amended) The system of claim 53 wherein the data [stream] receiver [(207)] includes an auxiliary data extractor [(204)] to extract the information to show and/or describe from the data [stream] and a packet data extractor [(206)] to extract the [application] information to enable from the data [stream].

55. (Amended) The system of claim 54 wherein the auxiliary data extractor [(204)] provides the information to show and/or describe to the data processing system [(50)] and the packet data extractor [(200)] provides the [application] information to enable to the client [(224)].

56. (Amended) The system of claim 53 wherein the data [stream] further includes an item identifier to identify the item [offered for sale].

57. (Amended) The system of claim 56 wherein the item identifier includes any one a group of identifiers including a [time] code and a command.

58. (Amended) A computer system to facilitate ordering an item, the system comprising:

a data source [(107)] to provide a client with information to show and/or describe an item [offered for sale] to a user; and

an [application] information source [(101)] to provide a client with [an application] information to enable the user to order the [offered] item by a single interaction with a client[, responsive to which an order is placed for the offered item].

59. (Amended) The system of claim 58, wherein the single interaction comprises any one of the group including:

a [pressing] selecting of a single button; and

a pressing of a single button on a TV remote control.

60. (Amended) The system of claim 58, including a data receiver [(103)] to receive the order from the client, the order including:

information related to the [offered] item; and

user related personal information.

61. (Amended) The system of claim 60, wherein the personal information comprises any one of the group including a user's name, address, method of payment and [credit card] payment account number.

62. (Amended) The system of claim [60], wherein [application] the code is to retrieve the personal information from a memory associated with the client.

63. (Amended) The system of claim 58, wherein the data source [(107)] is to provide the information in the form of a television signal.

64. (Amended) The system of claim 58 including a data transceiver [(103)] to communicate with a central processing facility [(60)] and wherein the client sends the order to the central processing facility [(60)] for receipt via the data transceiver [(103)].

65. (Amended) The system of claim 64 wherein a telephone system acts as the central processing facility [(60)].

66. (Amended) The system of claim 58 wherein the data source [(107)] is to provide an order confirmation to the client to confirm the order.

67. (Amended) The system of claim 58 including a multiplexer to multiplex the provision of the information to show and/or describe and the [application] information to enable to the client to thereby generate [a] data [stream] for transmission to the client.

68. (Amended) A method of facilitating ordering an item using an interactive television system including at least one client [(22, 50)] and at least one server [(10)], the method comprising:

using the server (10) to provide data, some of which represents video and some of which represents a computing application, to the client;

at the client, causing the video to be displayed, and executing the computing application to cause display of interactive information;

using one or more of the displayed video and the interactive information to show and/or describe an item [offered for sale] to a television viewer [(80)];

enabling the viewer [(80)] to select the item by interacting with the client [(22,50)]; and

in response to the viewer interaction, [placing] causing an order for the [displayed] item to be placed.

69. (Amended) The method of claim 68, wherein the [user] viewer interaction causes display of instructions to solicit information necessary to place the order.

70. (Amended) The method of claim 69, wherein the information is solicited using one or more of an on-screen display and voice instructions.

71. (Amended) The method of claim 68, wherein the viewer interaction is by way of a single command.

72. (Amended) The method of claim 71, wherein the single command is by one of the group of:

[the pressing] selecting of a single button; and

[the] pressing of a single button on a TV remote control.

73. (Amended) The method of claim 68, wherein [placing] causing the order to be placed is achieved by using:

information related to the item [being offered for sale] and viewer related personal information.

74. (Amended) The method of claim 73, wherein the personal information includes at least one of the group consisting of the viewer's name, address, method of payment and [credit card] payment account number.

75. (Amended) The method of claim 74, wherein the personal information is stored in memory at the client [(22, 50)].

76. (Amended) The method of claim 74, wherein the system further includes a local computer [(40)] and associated storage [(70)] and wherein the method further comprises:

using the client [(22, 50)] to retrieve information from one or more of the local computer [(40)] and the [mass] associated storage [(70)].

77. (Amended) The method of claim 76, wherein the method further comprises: controlling the client [(20, 50)] by means of the local computer [(40)].

78. (Amended) The method of claim 76, wherein the local computer [(40)] is part of a local area network.

79. (Amended) The method of claim 68, wherein the system further includes a central processing facility [(60)] in communication with the server [(10)] and wherein the method comprises:

sending information used in processing the order from the client [computer (22,)] to the central processing facility [(60)].

80. (Amended) The method of claim 79, further comprising:

communicating information between the client [(22, 50)] and the server [(10)] via the central processing facility [(60)].

81. (Amended) The method of claim 79, wherein a telephone system acts as the central processing facility [(60)].

82. (Amended) The method of claim 68, further comprising:

sending an order confirmation to the user [(80)] to confirm the order.

83. (Amended) The method of claim 68, wherein the server [(10)] provides data in a series of multiplexed packets, ones of which contain data representing the video, and others of which represent the computing application.

84. (Amended) The method of claim 83, wherein the computing application is repetitively transmitted during times that the video is transmitted.

85. (Amended) The method of claim 83, wherein the client [(22,50)] includes a client computer [(22)] and an auxiliary processor [(50)], the method comprising:

using the auxiliary data processor [(50)] to process data representing the video,
and

using the client computer [(22)] to execute the computing application.

86. (Amended) The method of claim 85, wherein the client computer and the auxiliary data processor are contained in a set top box.

87. (Amended) A method of facilitating ordering an item using an interactive television system, the method comprising:

receiving data, some of which represents video and some of which represents a computing application;

causing the video to be displayed;

executing the computing application to cause display of interactive information;

using one or more of the displayed video and the interactive information to show and/or describe an item [offered for sale] to a television user [(80)];

enabling the user [(80)] to select the item by way of an interaction; and

in response to the interaction, [placing] causing an order for the [displayed] item to be placed.

88. (Amended) The method of claim 87, wherein the [viewer] interaction causes display of instructions to solicit information necessary to place the order.

89. (Amended) The method of claim 88, wherein the information is solicited using one or more of an on-screen display and voice instructions.

90. (Amended) The method of claim 87, wherein the [viewer] interaction is by way of a single command.

91. (Amended) The method of claim 90, wherein the single command is by one of the group of:

[the pressing] selecting of a single button; and

[the] pressing of a single button on a TV remote control.

92. (Amended) The method of claim 87, wherein [placing] causing the order to be placed is achieved by using:

information related to the item [being offered for sale] and user related personal information.

93. (Amended) The method of claim 92, wherein the personal information includes at least one of the group consisting of the user's name, address, method of payment and [credit card] payment account number.

94. (Amended) The method of claim 93, wherein the personal information is stored in local memory.

95. (Amended) The method of claim 87, further comprising:
communicating information via a central processing facility [(60)].

96. (Amended) The method of claim 95, wherein a telephone system acts as the central processing facility [(60)].

97. (Amended) The method of claim 87, further comprising receiving an order confirmation to the user [(80)] to confirm the order.

98. (Amended) The method of claim 87, wherein the data comprises a series of multiplexed packets, ones of which contain data representing the video, and others of which represent the computing application.

99. (Amended) The method of claim 87, wherein a client [(22,50)] includes a client computer [(22)] and an auxiliary processor [(50)], the method comprising:

using the auxiliary data processor [(50)] to process data representing the video,
and

using the client computer [(22)] to execute the computing application.

100. (Amended) The method of claim 99, wherein the client computer and the auxiliary data processor are contained in a set top box.

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101. (Amended) A method of facilitating ordering an item using an interactive television system, the method comprising:

providing data, some of which represents video to be displayed and some of which represents a computing application to be executed to display interactive information, to the client, the client to use one or more of the displayed video and the interactive information to show and/or describe an item [offered for sale] to a television user [(80)] and to enable the user [(80)] to select the item by interacting with the client [(22, 50)]; and

in response to the interaction, receiving an order for the [displayed] item.

102. (Amended) The method of claim 101, wherein the received order includes: information related to the item [being offered for sale] and user related personal information.

103. (Amended) The method of claim 102, wherein the personal information includes at least one of the group consisting of the user's name, address, method of payment and [credit card] payment account number.

104. (Amended) The method of claim 101, including providing the data in a series of multiplexed packets, ones of which contain data representing the video, and others of which represent the computing application.

105. (Amended) The method of claim 101, wherein the computing application is repetitively transmitted during times that the video is transmitted.

106. (Amended) An interactive television system comprising:

a server [(10)] to provide data, some of which represents video and some of which represents a computing application, to [the] a client;

[a] the client to:

cause the video to be displayed;

execute the computing application to cause display of interactive information;

use one or more of the displayed video and the interactive information to show and/or describe an item [offered for sale] to a television user [(80)];

enable the television user [(80)] to select the item by interacting with the client [(22,50)]; and

in response to the interaction, [place] cause an order for the [displayed] item to be placed.

107. (Amended) he system of claim 106, wherein the user interaction causes display of instructions to solicit information necessary to [place] cause the order to be placed.

108. (Amended) The system of claim 107, wherein the information is solicited using one or more of an on-screen display and voice instructions.

109. (Amended) The system of claim 106, wherein the interaction is by way of a single command.

110. (Amended) The system of claim 109, wherein the single command is by one of the group of:

[the pressing] selecting of a single button; and

[the] pressing of a single button on a TV remote control.

111. (Amended) The system of claim 106, wherein [placing] causing the order to be placed is achieved by using:

information related to the item [being offered for sale] and user related personal information.

112. (Amended) The system of claim 111, wherein the personal information includes at least one of the group consisting of the user's name, address, method of payment and [credit card] payment account number.

113. (Amended) The system of claim 111, wherein the personal information is stored in memory at the client [(22, 50)].

114. (Amended) The system of claim 111, wherein the system further includes a local computer [(40)] and associated storage [(70)] and wherein the method further comprises:

using the client [(22, 50)] to retrieve information from one or more of the local computer [(40)] and the [mass] associated storage [(70)].

115. (Amended) The system of claim 106, wherein the client [(20, 50)] is to be controlled by means of the local computer [(40)].

116. (Amended) The system of claim 115, wherein the local computer [(40)] is part of a local area network.

117. (Amended) The system of claim 106, wherein the system further includes a central processing facility [(60)] in communication with the server [(10)] and wherein the client is to send information used in processing the order to the central processing facility [(60)].

118. (Amended) The system of claim 117, wherein the client [(22, 50)] is to communicate with the server [(10)] via the central processing facility [(60)].

119. (Amended) The system of claim 118, wherein a telephone system acts as the central processing facility [(60)].

120. (Amended) The system of claim 106, wherein the server is to send an order confirmation to the user [(80)] to confirm the order.

121. (Amended) The system of claim 106, wherein the server [provides] is to provide data in a series of multiplexed packets, ones of which contain data representing the video, and others of which represent the computing application.

122. (Amended) The system of claim 106, wherein the computing application is repetitively transmitted during times that the video is transmitted.

123. (Amended) The system of claim 106, wherein the client [(22,50)] includes a client computer [(22)] and an auxiliary processor [(50)], and:

the auxiliary data processor [(50)] is to process data representing the video, and

the client computer [(22)] is to execute the computing application.

124. (Amended) The system of claim 123, wherein the client computer and the auxiliary data processor [are contained in] comprise a set top box.

125. (Amended) An interactive television system to order an item, the system comprising:

a receiver [(207)] to receive data, some of which represents video and some of which represents a computing application; and

a processing unit [(224)] to:

execute the computing application to cause display of interactive information;

using the interactive information, show and/or describe an item [offered for sale] to a television user [(80)];

enable the user [(80)] to select the item by way of an interaction; and

in response to the interaction, [place] cause an order for the [displayed] item to be placed.

126. (Amended) The system of claim 125, wherein the interaction causes the processing unit to display instructions to solicit information necessary to [place] cause the order to be placed.

127. (Amended) The system of claim 126, wherein the information is solicited using one or more of an on-screen display and voice instructions.

128. (Amended) The system of claim 125, wherein the interaction is by way of a single command.

129. (Amended) The system of claim 128, wherein the single command is by one of the group of:

[the pressing] selecting of a single button; and

[the] pressing of a single button on a TV remote control.

130. (Amended) The system of claim 125, wherein the processing unit [places] causes the order to be placed using:

information related to the item [being offered for sale] and user related personal information.

131. (Amended) The system of claim 130, wherein the personal information includes at least one of the group consisting of the user's name, address, method of payment and [credit card] payment account number.

132. (Amended) The system of claim 130, including a local memory to store the personal information memory.

133. (Amended) The system of claim 125, further comprising a central processing facility [(60)] to communicate information.

134. (Amended) The system of claim 133, wherein a telephone system acts as the central processing facility [(60)].

135. (Amended) The system of claim 125, further comprising a further receiver to receive an order confirmation to confirm the order.

136. (Amended) The system of claim 125, wherein the data comprises a series of multiplexed packets, ones of which contain data representing the video, and others of which represent the computing application, the system including a first extractor to extract the video and a second extractor to extract the computing application from the data.

137. (Amended) The system of claim 125, including:

an auxiliary data processor [(50)] to process the video, and

a client computer [(22)] to execute the computing application, the processing unit being associated with the client computer.

138. (Amended) The system of claim 137, wherein the client computer and the auxiliary data processor [are contained in] comprise a set top box.

139. (Amended) An interactive television system to order an item, the system comprising:

a server (10) to provide data, some of which represents video to be displayed and some of which represents a computing application to be executed to display interactive information, to a client, the client to use one or more of the displayed video and the interactive information to show and/or describe an item [offered for sale] to a television user [(80)] and to enable the television user [(80)] to select the item by interacting with the client [(22,50)]; and

a receiver, in response to the interaction, to receive an order for the [displayed] item.

140. (Amended) The system of claim 139, wherein the received order includes:

information related to the item [being offered for sale] and user related personal information.

141. (Amended) The system of claim 140, wherein the personal information includes at least one of the group consisting of the television user's name, address, method of payment and [credit card] payment account number.

142. (Amended) The system of claim 139, wherein the server is to provide the data in a series of multiplexed packets, ones of which contain data representing the video, and others of which represent the computing application.

143. (Amended) The system of claim [16], wherein the server is to repetitively transmit at least a portion of the computing application during times that the video is transmitted.

144. (Amended) A method of facilitating placing an order for an item, the method comprising:

using a server system:

communicating [a] data [stream] to a client system, the data [stream] including information related to an item [offered for sale]; and

using a client system:

receiving an order request [from a user];

automatically determining an item identity for [an] the item [to which the order request pertains] utilizing the information related to the item [offered for sale];

automatically retrieving personal information of [the] a user associated with the client system, the retrieved personal information having been previously stored [in a storage device]; and

[placing] causing an order to be placed, the order including the item identity and the retrieved personal information.

145. (Amended) The method of claim 144 wherein the order request is received at the client system through detection of an [purchase] order action by the user utilizing the client system.

146. (Amended) The method of claim 145 wherein the [purchase] order action is performed during the showing and/or describing of the item via the client system utilizing the information related to the item [offered for sale].

147. (Amended) The method of 145 wherein the [purchase] order action includes input of the item identity into the client system.

148. (Amended) The method of claim 145 wherein the automatic determination of the item identity includes relating the [purchase] order action to the information related to the item.

149. (Amended) The method of claim 148 wherein the relating includes the detecting of the [purchase] order action during an offer of the item as specified any one of a group including [by] a [time] code and a command included within the information related to the item.

150. (Amended) The method of claim 144 wherein the item identity is received within the data [stream] transmitted from the server system to the client system.

151. (Amended) The method of claim 144 wherein the data [stream] includes multiplexed first and second streams of packets, the first stream of packets including display information to generate an image on a display of the client system, and the second stream of packets including a computing application.

152. (Amended) The method of claim 149 wherein the [time] code is received within the data [stream] transmitted from the server system to the client system.

153. (Amended) The method of claim 145 including prompting the user to perform the [purchase] order action utilizing the client system.

154. (Amended) The method of claim 153 wherein the prompting includes [displaying] communicating any one of a group of prompts including a visual prompt [on a display of the client system] and an audio prompt.

155. (Amended) The method of claim 154 wherein the [visual] prompt includes any of a group including [an indicia,] instructions, options and a menu.

158. (Amended) The method of claim 145 wherein the detection of the [purchase] order action includes detecting an interaction by the user with a control device of the client system.

159. (Amended) The method of claim 158 wherein the interaction comprises a single action operation performed by the user.

160. (Amended) The method of claim 159 wherein the single action operation comprises a single selection of a button of a remote control device.

161. (Amended) The method of claim 144 wherein [the] the retrieved personal information is retrieved from a storage device [is] associated with the client system and wherein the order is caused to be placed by the client system [and communicated to] by a communication with the server system.

162. (Amended) The method of claim 144 including receiving a client application program at the client system from the server system, the client application program to [place] cause the order to be placed.

163. (Amended) The method of claim 162 wherein the client application program is received as part of the data [stream].

164. (Amended) The method of claim 144 including receiving, at the client system from the server system, an order confirmation [responsive to a processing of the order by the server system].

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165. (Amended) A method of facilitating placing an order for an item, the method comprising:

receiving an order request [from a user] at a client system;

automatically determining an item identity for an item to which the order request pertains;

automatically retrieving personal information [of the user] previously stored [in a storage device], the retrieved personal information pertaining to a user associated with the client system; and

[placing] causing an order to be placed, the order including the item identity and the retrieved personal information[, for processing by a server system in communication with the client system].

166. (Amended) The method of claim 165 wherein the order request is received at the client system through detection of an [purchase] order action by the user utilizing the client system.

167. (Amended) The method of claim 166 wherein the [purchase] order action is performed during the showing and/or describing of the item via the client system.

168. (Amended) The method of 166 wherein the [purchase] order action includes input of the item identity into the client system.

169. (Amended) The method of claim 166 including receiving information, at the client system from the server system, related to the item and wherein the automatic determination of the item identity includes relating the [purchase] order action to the received information related to the item.

170. (Amended) The method of claim 169 wherein the relating includes the detecting of the [purchase] order action during an offer of the item as specified any one of a group including [by] a [time] code and a command included within the received information related to the item.

171. (Amended) The method of claim 165 wherein the item identity is received within [a] data [stream] transmitted from [the] a server system to the client system.

172. (Amended) The method of claim 171 wherein the data [stream] includes multiplexed first and second streams of packets, the first stream of packets including display information to generate an image on a display of the client system, and the second stream of packets including an computing application.

173. (Amended) The method of claim 170 wherein the [time] code is received within [a] data [stream] transmitted from [the] a server system to the client system.

174. (Amended) The method of claim 166 including prompting the user to perform the [purchase] order action utilizing the client system.

175. (Amended) The method of claim [175] wherein the prompting includes [displaying] communicating any one of group of prompts including a visual prompt [on a display of the client system] and an audio prompt.

Q2 176. (Amended) The method of claim 175 wherein the [visual] prompt includes any of a group including [an indicia,] instructions, options and a menu.

179. (Amended) The method of claim 166 wherein the detection of the [purchase] order action includes detecting an interaction by the user with a control device of the client system.

Q3 180. (Amended) The method of claim 179 wherein the interaction comprises a single action operation performed by the user.

181. (Amended) The method of claim 180 wherein the single action operation comprises a single selection of a button of a remote control device.

182. (Amended) The method of claim 165 wherein the retrieved personal information is retrieved from a storage device [is associated with] accessible by the client system and wherein the order is caused to be placed by the client system [and communicated to] by a communication with the server system.

183. (Amended) The method of claim 165 including receiving a client application program at the client system from the server system, the client application program to receive the order request and to [place] cause the order to be placed.

184. (Amended) The method of claim 183 wherein the client application program is received as part of [a] data [stream] including content for display by the client system.

185. (Amended) The method of claim 165 including receiving, at the client system from [the] a server system, an order confirmation [responsive to the processing of the order by the server system].

186. (Amended) A method of facilitating placing of an order for an item, the method comprising communicating [a] data [stream] to a client system, the data [stream] including:

information related to an item [offered for sale]; and

[an application program for execution by the client system] information to be used by a computing application to receive an order request [from a user] at the client system, automatically to determine an item identity for [an] the item to which the order request pertains utilizing the information related to the item [offered for sale], automatically to retrieve personal information of [the] a user associated with the client system, the retrieved personal information having been previously stored [in a storage device], and to [place] cause an order to be placed, the order including the item identity and the retrieved personal information.

187. (Amended) The method of claim 186 including inserting a [time] code and/or a command into the information related to the item.

188. (Amended) The method of claim 186 including inserting the item identity into the information related to the item.

189. (Amended) The method of claim 186 including generating the data [stream] to include multiplexed first and second streams of packets, the first stream of packets including display information to generate an image on a display of the client system, and the second stream of packets including the information to be used by computing application.

190. (Amended) The method of claim 186 comprising including a [visual] prompt within the information related to the item [offered for sale], the prompt to invite the user to order the item and including any one of a group comprising a visual and an audio prompt.

191. (Amended) The method of claim 190 wherein the [visual] prompt includes any of a group including [an indicia,] instructions, options and a menu.

194. (Amended) The method of claim 186 wherein the [application program] computing application is for execution by the client system to detect an interaction by the user with a control device of the client system as an [purchase] order action.

195. (Amended) The method of claim 194 wherein the interaction comprises a single action operation performed by the user.

196. (Amended) The method of claim 195 wherein the single action operation comprises a single selection of a button of a remote control device.

197. (Amended) The method of claim 186 wherein the personal information is retrieved from a storage [device] medium [is] associated with the client system and wherein the order is caused to be placed by the client system [and communicated to] by communication with the server system.

198. (Amended) The method of claim 186 generating an order confirmation [responsive to the processing of the order].

199. (Amended) A system to facilitate plac[e]ing an order for an item, the system comprising:

a server system to transmit [a] data [stream], the data [stream] including information related to an item [offered for sale]; and

a client system to:

receive the data [stream];

receive an order request [from a user];

automatically determine an item identity for an item to which the order request pertains utilizing the information related to the item [offered for sale];

automatically retrieve personal information [of the user] previously stored [in a storage device], the retrieved personal information being associated with a user of the client system; and

[place] cause an order to be placed, the order including the item identity and the retrieved personal information.

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200. (Amended) The system of claim 199 wherein the client system is to receive the order request through detection of an [purchase] order action by the user.

201. (Amended) The system of claim 200 wherein client system is to detect the [purchase] order action during the showing and/or describing of the item by the client system utilizing the information related to the item [offered for sale].

202. (Amended) The system of claim 200 wherein the client system is to receive input of the item identity into the client system as part of the [purchase] order action.

203. (Amended) The system of claim 200 wherein the client system is to relate the [purchase] order action to the information related to the item.

204. (Amended) The system of claim 203 wherein the clients system is to detect the [purchase] order action during an offer of the item as specified any one of a group including [by] a [time] code and a command included within the information related to the item.

205. (Amended) The system of claim 199 wherein the data [stream] includes multiplexed first and second streams of packets, the first stream of packets including display information to generate an image on a display of the client system, and the second stream of packets including [an] a computing application.

206. (Amended) The system of claim 200 wherein the client system is to prompt the user to perform the [purchase] order action utilizing the client system.

ay 207. (Amended) The system of claim 206 wherein the client system is to [display] communicate a [visual] prompt [on a display of the client system].

208. (Amended) The system of claim 207 wherein the [visual] prompt includes any of a group including an indicia, instructions and a menu.

211. (Amended) The system of claim 200 wherein the clients system is to detect the [purchase] order action by detecting an interaction by the user with a control device of the client system.

212. (Amended) The system of claim 211 wherein the interaction comprises a single action operation performed by the user.

213. (Amended) The system of claim 212 wherein the single action operation comprises a single selection of a button of a remote control device.

214. (Amended) The system of claim 199 wherein the retrieved personal information is retrieved from a storage device [is] associated with the client system and wherein the order is caused to be placed by the client system [and communicated to] by a communication with the server system.

215. (Amended) The system of claim 199 wherein the client system is to receive a client application program from the server system, the client application program being executable by the client system to [place] cause the order to be placed.

216. (Amended) The system of claim 215 wherein the client application program is received as part of the data [stream].

217. (Amended) The system of claim 199 wherein the client system is to receive an order confirmation [responsive to the processing of the order by the server system].

218. (Amended) A client system including:

a receiver [(207)] to receive [the] data [stream] including information related to an item [offered for sale]; and

a processing unit [(224)] to:

receive an order request [from a user];

automatically determine an item identity for [an] the item [to which the order request pertains] utilizing the information related to the item [offered for sale];

automatically retrieve personal information [of the user] previously stored [in a storage device], the retrieved personal information pertaining to a user associated with the client system; and

[place] cause an order to be placed, the order including the item identity and the retrieved personal information.

219. (Amended) The system of claim 218 wherein the processing unit [(224)] is to receive the order request through detection of an [purchase] order action by the user.

220. (Amended) The system of claim 219 wherein processing unit (224) is to detect the [purchase] order action during the showing and/or describing of the item by the client system utilizing the information related to the item [offered for sale].

221. (Amended) The system of claim 219 wherein the processing unit [(224)] is to receive input of the item identity as part of the [purchase] order action.

222. (Amended) The system of claim 219 wherein the processing unit [(224)] is to relate the [purchase] order action to the information related to the item.

223. (Amended) The system of claim 219 wherein the processing unit [(224)] to detect the [purchase] order action during an offer of the item as specified any one of a group including by a [time] code and a command included within the information related to the item.

224. (Amended) The system of claim 218 wherein the receiver [(207)] is to receive the data [stream] as multiplexed first and second streams of packets, the first stream of packets including display information to generate an image on a display of the client system, and the second stream of packets including information to be processed by an computing application, the receiver further including a first extractor [(204)] to extract the first stream of packets from the data [stream] and a second extractor [(206)] to extract the second stream of packets from the data [stream].

225. (Amended) The system of claim 219 wherein the processing unit [(224)] and/or the receiver [(207)] is to prompt the user to perform the [purchase] order action utilizing the client system.

226. (Amended) The system of claim 225 wherein the processing unit [(224)] and/or the receiver [(207)] is to [display a visual] communicate a prompt [on a display of] via the client system.

227. (Amended) The system of claim 226 wherein the [visual] prompt includes any of a group including an indicia, instructions and a menu.

230. (Amended) The system of claim 219 wherein the processing unit [(224)] is to detect the [purchase] order action by detecting an interaction by the user with a control device of the client system.

231. (Amended) The system of claim 230 wherein the interaction comprises a single action operation performed by the user.

232. (Amended) The system of claim 231 wherein the single action operation comprises a single selection of a button of a remote control device.

233. (Amended) The system of claim 218 including a storage [device is] medium [associated with the client system] from which the retrieved personal information is retrieved and wherein the order is placed by the client system [and communicated to] utilizing a communication with a server system.

234. (Amended) The system of claim 218 wherein the receiver [(207)] to receive a client application program from a server system, the client application program being executable by the processing unit [(224)] to receive the order request and to place the order.

235. (Amended) The system of claim 234 wherein the receiver is to receive the client application program as part of the data [stream].

236. (Amended) The system of claim 218 wherein the receiver [(207)] is to receive an order confirmation [responsive to the processing of the order by the server system].

237. (Amended) A server system to facilitate placing of an order for an item, the system comprising:

a [data] first source [(107)] to provide first information related to an item [offered for sale]; and

[an application] a second source [(101)] to provide [an application program] second information to be used by a computing application [for execution by the client system] to receive an order request [from a user], automatically to determine an item identity for an item to which the order request pertains, automatically to retrieve personal information of [the] a user associated with the client system, the retrieved personal information having been previously stored [in a storage device], and to [place] cause an order to be placed, the order including the item identity and the retrieved personal information; and

a multiplexer [(106)] to communicate the first and second information [and the application program] to a client system.

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238. (Amended) The system of claim 237 wherein the multiplexer is to generate [the] data [stream] to include multiplexed first and second streams of packets comprising the first and second information respectively[, the first stream of packets including display information to generate an image on a display of the client system, and the second stream of packets including the computing application].

239. (Amended) (Amended) The system of claim 237 wherein the [application] first source and/or [data] the second source is to include a [visual] prompt within the [information] data related to the item [offered for sale].

240. (Amended) The system of claim 239 wherein the [visual] prompt includes any of a group including an indicia, instructions and a menu.

243. (Amended) The method of claim 237 wherein a detection of an [purchase] order action by the [application program] computing application includes detecting an interaction by the user with a control device of the client system.

244. The method of claim 243 wherein the interaction comprises a single action operation performed by the user.

245. The method of claim 244 wherein the single action operation comprises a single selection of a button of a remote control device.

Please add the following new claims 246-357.

246. (New) The method of claim 25 wherein the information to enable includes code executable by the client to enable the user to order the item by the single interaction with the client.

247. (New) The method of claim 25 wherein the information to enable includes data to be processed by code executable by the client to enable the user to order the item by the single interaction with the client.

248. (New) The method of claim 28 wherein the enabling includes providing code to enable the user to order the item.

249. (New) The method of claim 28 wherein the enabling includes providing data to be processed by code to enable the user to order the item.

250. (New) The system of claim 53 wherein the information to enable includes code to enable the user to order the item.

251. (New) The system of claim 53 wherein the information to enable includes data to be processed by code to enable the user to order the item.

252. (New) The system of claim 58 wherein the information to enable includes code to be executed by the client to enable the user to order the item.

253. (New) The system of claim 58 wherein the information to enable includes data to be processed by code to enable the user to order the item.

254. (New) The method of claim 151 wherein the second stream of packets includes code modules that comprise the computing application and data modules including data to be processed by the computing application.

255. (New) The method of claim 172 wherein the second stream of packets includes code modules that comprise the computing application and data modules including data to be processed by the computing application.

256. (New) The method of claim 189 wherein the second stream of packets includes code modules that comprise the computing application and data modules including the information to be used by the computing application.

257. (New) The system of claim 205 wherein the second stream of packets includes code modules that comprise the computing application and data modules including data to be processed by the computing application.

258. (New) The system of claim 224 wherein the second stream of packets includes at least a portion of the computing application.

259. (New) The system of claim 237 wherein the second information includes at least a portion of the computing application.

260. (New) A machine-readable medium embodying a sequence of instructions that, when executed by a machine, cause the machine to facilitating ordering an item within a distributed computing system including at least one client and at least one server by:

showing and/or describing an item to a user via the client;

enabling the user to order the item by a single interaction with the client; and

in response to the single interaction with the client, causing an order for the item to be placed.

261. (New) The machine-readable medium of claim 260, wherein the medium comprises a data stream.

262. (New) The machine-readable medium of claim 260, wherein the medium comprises a mass storage device.

263. (New) A machine-readable medium embodying a sequence of instructions that, when executed by a machine, cause the machine to facilitating ordering an item by:

providing a client with information to show and/or describe an item to a user;
and

enabling the user to order the item by a single interaction with a client.

264. (New) A machine-readable medium embodying a sequence of instructions that, when executed by a machine, cause the machine to facilitate ordering an item using an interactive television system by:

receiving data, some of which represents video and some of which represents a computing application;

causing the video to be displayed;

executing the computing application to cause display of interactive information;

using one or more of the displayed video and the interactive information to show and/or describe an item to a television user;

enabling the user to select the item by way of an interaction; and

in response to the interaction, causing an order for the item to be placed.

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265. (New) A machine-readable medium embodying a sequence of instructions that, when executed by a machine, cause the machine to facilitate ordering an item using an interactive television system by:

providing data, some of which represents video to be displayed and some of which represents a computing application to be executed to display interactive information, to the client, the client to use one or more of the displayed video and the interactive information to show and/or describe an item to a television user and to enable the user to select the item by interacting with the client ; and

in response to the interaction, receiving an order for the item.

266. (New) A machine-readable medium embodying a sequence of instructions that, when executed by a machine, cause the machine to facilitate placing an order for an item by:

receiving an order request at a client system;

automatically determining an item identity for an item to which the order request pertains;

automatically retrieving previously stored personal information previously, the retrieved personal information pertaining to a user associated with the client system; and

causing an order to be placed, the order including the item identity and the retrieved personal information.

267. (New) A machine-readable medium embodying a sequence of instructions that, when executed by a machine, cause the machine to facilitate placing of an order for an item by communicating data to a client system, the data including:

information related to an item; and

information to be used by a computing application to receive an order request at the client system, automatically to determine an item identity for an item to which the order request pertains utilizing the information related to the item, automatically to retrieve personal information of a user associated with the client system, the retrieved personal information having been previously stored, and to cause an order to be placed, the order including the item identity and the retrieved personal information.

268. (New) A method of facilitating ordering an item using an interactive television system including at least one client and at least one server, the method comprising:

using the server to provide data for use by a computing application to the client;

at the client, executing the computing application to cause display of interactive information;

using the interactive information to show and/or describe an item to a television viewer;

enabling the viewer to select the item by interacting with the client; and

in response to the viewer interaction, causing an order relating to the item to be placed.

269. (New) The method of claim 268, wherein the viewer interaction is by way of a single command.

270. (New) The method of claim 269, wherein the single command is by one of a group of:

selecting of a single button; and

pressing of a single button on a TV remote control.

271. (New) The method of claim 268, wherein causing the order to be placed is achieved by using:

information related to the item and viewer related personal information.

272. (New) The method of claim 271, wherein the personal information is stored in memory at the client.

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273. (New) A method of facilitating ordering an item using an interactive television system, the method comprising:

receiving data to be used by a computing application;

executing the computing application to cause display of interactive information;

using the interactive information to show and/or describe an item to a television user;

enabling the user to select the item by way of an interaction; and

in response to the interaction, causing an order relating to the item to be placed.

274. (New) A method of facilitating ordering an item using an interactive television system, the method comprising:

providing data to be used by a computing application to a client to cause display of interactive information, the client to use the interactive information to show and/or describe an item to a television user and to enable the user to select the item by interacting with the client; and

in response to the interaction, receiving an order for the item.

275. (New) An interactive television system comprising:

a server to provide data, to be used by a computing application, to a client;

the client to:

execute the computing application to cause display of interactive information;

use the interactive information to show and/or describe an item to a television user;

enable the television user to select the item by interacting with the client ;
and

in response to the interaction, cause an order for the item to be placed.

276. (New) An interactive television system to order an item, the system comprising:

a receiver to receive data to be used by a computing application; and

a processing unit to:

execute the computing application to cause display of interactive information;

using the interactive information, show and/or describe an item to a television user;

enable the user to select the item by way of an interaction; and

in response to the interaction, cause an order for the item to be placed.

277. (New) An interactive television system to order an item, the system comprising:

a server to provide data, to be used by a computing application to display interactive information, to a client, the client to use the interactive information to show and/or describe an item to a television user and to enable the television user to select the item by interacting with the client; and

a receiver, in response to the interaction, to receive an order for the item.

278. (New) A method of facilitating ordering using a distributed computing system including at least one client and at least one server, the method comprising:

showing and/or describing an offering to a user via the client;

enabling the user to order the offering by a single interaction with the client; and

in response to the single interaction with the client causing an order related to the offering to be placed.

279. (New) A method comprising:

providing a client with information to show and/or describe an offering to a user; and

enabling the user to order the offering by a single interaction with a client.

280. (New) A computer system comprising:

a data processing system to show and/or describe an offering to a user; and

a client to enable the user to order the item by a single interaction with the client and, in response to the single interaction, to cause an order for the offering to be placed.

281. (New) A computer system comprising:

a data source to provide a client with information to show and/or describe an offering to a user; and

an information source to provide a client with information to enable the user to order the offering by a single interaction with a client.

282. (New) A method of facilitating ordering using an interactive television system including at least one client and at least one server, the method comprising:

using the server to provide data for use by a computing application to the client;

at the client, executing the computing application to cause display of interactive information;

using the interactive information to show and/or describe an offering to a television viewer

enabling the viewer to select the offering by interacting with the client; and

in response to the viewer interaction, causing an order relating to the offering to be placed.

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283. (New) A method of facilitating ordering an offering using an interactive television system, the method comprising:

receiving data to be used by a computing application;

executing the computing application to cause display of interactive information;

using the interactive information to show and/or describe an offering to a television user;

enabling the user to select the offering by way of an interaction; and

in response to the interaction, causing an order relating to the offering to be placed.

284. (New) A method comprising:

providing data to be used by a computing application to a client to cause display of interactive information, the client to use the interactive information to show and/or describe an offering to a television user and to enable the user to select the offering by interacting with the client and

in response to the interaction, receiving an order for the offering.

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execute the computing application to cause display of interactive information;

use the interactive information to show and/or describe an offering to a television user;

enable the television user to select the offering by interacting with the client; and

in response to the interaction, cause an order for the offering to be placed.

286. (New) An interactive television system comprising:

a receiver to receive data to be used by a computing application; and

a processing unit to:

execute the computing application to cause display of interactive information;

using the interactive information, show and/or describe an offering to a television user;

enable the television user to select the offering by way of an interaction; and

in response to the interaction, cause an order for the item to be placed.

287. (New) An interactive television system comprising:

a server to provide data, to be used by a computing application to display interactive information, to a client, the client to use the interactive information to show and/or describe an offering to a television user and to enable the television user to select the item by interacting with the client; and

a receiver, in response to the interaction, to receive an order for the item.

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288. (New) A method of facilitating placing an order for an item, the method comprising:

receiving an order request at a client system;

automatically determining an offering identity for an offering to which the order request pertains;

automatically retrieving previously stored personal information, the retrieved personal information pertaining to a user associated with the client system; and

causing an order to be placed, the order including the offering identity and the retrieved personal information.

289. (New) A method of facilitating placing of an order, the method comprising communicating data to a client system, the data including:

information related to an offering; and

information to be used by a computing application to receive an order request at the client system, automatically to determine an offering identity for the offering utilizing the information related to the offering, automatically to retrieve personal information of a user associated with the client system, the retrieved personal information having been previously stored, and to cause an order to be placed, the order including the offering identity and the retrieved personal information.

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290. (New) A system comprising:

- a. a client to receive data including at least auxiliary data, and including:
- i. an auxiliary data processor to process the auxiliary data, and
 - ii. a display to display images based on the processed auxiliary data;
- and
- b. a local computer collocated with and in communication with the client to allow the client to communicate with the local computer.

291. (New) The system of claim 290, further comprising a mass storage in communication with the client to enable the client to retrieve information from the mass storage.

292. (New) The system of claim 291, wherein the client is to use the mass storage to store of data to be retrieved later.

293. (New) The system of claim 292, wherein the local computer is to control the client.

294. (New) The system of claim 293, wherein the local computer is to control the client to process a computer program included in the received data.

295. (New) The system of claim 290, wherein the local computer is at least one of the group consisting of a personal computer, a larger computer and a computer network.

296. (New) The system of claim 290, wherein the client further includes a client computer and wherein the received data further includes application data to be processed by the client computer.

297. (New) The system of claim 296, wherein the application data includes computer code to facilitate an interaction with a client system user.

298. (New) The system of claim 296, wherein the application data includes data to be used by computer code executable by the client computer to facilitate an interaction with a client system user.

299. (New) The system of claim 290, wherein the system is an interactive television system and the auxiliary data includes data representing television images.

300. (New) The system of claim 296, wherein the client computer is to generate graphics, in response to execution of computer code, for display by the client system.

301. (New) A television system comprising:

- a. a client to receive data including at least auxiliary data, and including:
 - i. an auxiliary data processor to process the auxiliary data, and
 - ii. a display to display video images, based on the processed auxiliary data; and
- b. a mass storage in communication with the client to enable the client to retrieve information from the mass storage.

302. (New) The system of claim 301, wherein the client is to use the mass storage to store of data to be retrieved later.

303. (New) The system of claim 301, further comprising a local computer collocated with and in communication with the client to allow the client.

304. (New) The system of claim 303, wherein the local computer can be used to control the client.

305. (New) The system of claim 304, wherein the local computer is to control the client to process a computer program included in the received data.

306. (New) The system of claim 303, wherein the local computer is at least one of the group consisting of a personal computer, a larger computer and a computer network.

307. (New) The system of claim 301, wherein the client further includes a client computer and wherein the received data further includes application data for processing by the client computer.

308. (New) The system of claim 307, wherein the application data includes computer code executable by the client computer to facilitate an interaction with a client system user.

309. (New) The system of claim 307, wherein the application data includes data to be used by computer code executable by the client computer to facilitate an interaction with a client system user.

310. (New) The system of claim 301, wherein the system is an interactive television system and the auxiliary data includes data representing television images.

311. (New) The system of claim 307, wherein the client computer is to generate graphics, in response to execution of computer code, for display by the client system.

312. (New) A system comprising:

- a. a server to generate data including at least auxiliary data;
- b. a client to receive the data, and including:
 - i. an auxiliary data processor to process the auxiliary data, and
 - ii. a display to display video images, based on the processed auxiliary data; and
- c. a local computer collocated with and in communication with the client to allow the client to communicate with the local computer.

313. (New) The system of claim 312, further comprising a mass storage in communication with the client to enable the client to retrieve information from the mass storage.

314. (New) The system of claim 313, wherein the client is to use the mass storage to store of data to be retrieved later.

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315. (New) The system of claim 312, wherein the local computer is to control the client.

316. The system of claim 315, wherein the local computer is to control the client to process a computer program included in the received data.

317. (New) The system of claim 312, wherein the local computer is at least one of the group consisting of a personal computer, a larger computer and a computer network.

318. (New) The system of claim 312, wherein the server is to generate the data to include application data to be processed by the client.

319. (New) The system of claim 318, wherein the application data includes computer code executable by the client to facilitate an interaction with a client system user.

320. (New) The system of claim 318, wherein the application data includes data to be used by computer code executable by the client to facilitate an interaction with a client system user.

321. (New) A system comprising:

- a. a server to generate data including at least auxiliary data;
- b. a client to receive the data, and including:
 - i. an auxiliary data processor to process the auxiliary data, and
 - ii. a display to display images, based on the processed auxiliary data; and
- c. a mass storage in communication with the client to enable the client to retrieve information from the mass storage.

322. (New) The system of claim 321, wherein the client is to use the mass storage to store data to be retrieved later.

323. (New) The system of claim 321, further comprising a local computer collocated with and in communication with the client to allow the client.

324. (New) The system of claim 323, wherein the local computer can be used to control the client.

325. (New) The system of claim 321, wherein the local computer is at least one of the group consisting of a personal computer, a larger computer and a computer network.

326. (New) The system of claim 321, wherein the server is to generate the data to include application data for processing by the client.

327. (New) The system of claim 326, wherein the application data includes computer code executable by the client to facilitate an interaction with a user.

328. (New) The system of claim 326, wherein the application data includes data to be used by computer code executable by the client to facilitate an interaction with a user.

329. (New) A method comprising:

receiving data including at least auxiliary at a client;

displaying images, based on the auxiliary data utilizing the client; and

communicating between the client and a local computer collocated with and in communication with the client.

330. (New) The method of claim 327 including processing the auxiliary data.

331. (New) The method of claim 329, including retrieving data from a mass storage utilizing the client, the retrieving being performed via the local computer.

332. (New) The method of claim 329, including storing data to be retrieved later at a mass storage utilizing the client, the storing being performed via the local computer.

333. (New) The method of claim 329, including controlling the client utilizing the local computer.

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334. (New) The method of claim 333, including controlling the client to process a computer program included in the received data.

335. (New) The method of claim 329, wherein the local computer is at least one of the group consisting of a personal computer, a larger computer and a computer network.

336. (New) The method of claim 329, wherein the client further includes a client computer and wherein the received data further includes application data to be processed by the client computer, the method including utilizing the application data to facilitate an interaction between the client and a user.

337. (New) The method of claim 336, including executing computer code included within the application data to facilitate the interaction.

338. (New) The method of claim 329, wherein the displaying of the images includes generating television images.

339. (New) The method of claim 329, including generating graphics, in response to execution of computer code by the client, for display by the client.

340. (New) The method of claim 329, including generating the received data to include computer code executable by the client to facilitate an interaction with a user.

341. (New) The method of claim 329, including generating the received data to include application data to be used by computer code executable by the client to facilitate an interaction with a user.

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342. (New) A method comprising:

receiving data including at least auxiliary data at a client;

displaying images, based on the processed auxiliary data utilizing the client; and

retrieving information from mass storage utilizing the client, the mass storage being in communication with the client.

343. (New) The method of claim 342 including processing the auxiliary data.

344. (New) The method of claim 342, wherein the retrieving being performed via a local computer.

345. (New) The method of claim 342; including storing data to be retrieved later at the mass storage utilizing the client, the storing being performed via a local computer.

346. (New) The method of claim 324, including controlling the client utilizing a local computer.

347. (New) The method of claim 346, including controlling the client to process a computer program included in the received data.

348. (New) The method of claim 346, wherein the local computer is at least one of the group consisting of a personal computer, a larger computer and a computer network.

349. (New) The method of claim 342, wherein the client further includes a client computer and wherein the received data further includes application data to be processed by the client computer, the method including utilizing the application data to facilitate an interaction between the client and a user.

350. (New) The method of claim 349, including executing computer code within the application data to facilitate the interaction.

351. (New) The method of claim 349, including utilizing data, included with the application data and to be used by computer code executable by the client computer, to facilitate the interaction.

352. (New) The method of claim 342, wherein the displaying of the images includes generating television images.

353. (New) The method of claim 342, including generating graphics, in response to execution of computer code by the client, for display by the client.

354. (New) The method of claim 342, including generating the received data to include computer code executable by the client to facilitate an interaction with a user.

355. (New) The method of claim 342, including generating the received data to include application data to be used by computer code executable by the client to facilitate an interaction with a user.

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356. (New) A machine-readable medium embodying a sequence of instructions that, when executed by a machine, cause the machine to:

receive data including at least auxiliary data representing video images at the machine;

display video images, based on the auxiliary data utilizing the machine; and

communicate between the machine and a local computer collocated with and in communication with the machine.

357. (New) A machine-readable medium embodying a sequence of instructions that, when executed by a machine, cause the machine to:

receive data including at least auxiliary data representing video images at the machine;

display video images, based on the processed auxiliary data utilizing the machine; and

retrieving information from mass storage utilizing the machine the mass storage being in communication with the machine.

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REMARKS

If the Examiner has any questions or comments, Applicant respectfully requests that the Examiner contact the undersigned by telephone.

Please charge any shortages or credit any overages to Deposit Account No. 02-2666.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN

Date: 10/16/ 2000



André L. Marais
Under 37 CFR § 10.9(b)

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I hereby certify that this correspondence is being transmitted by facsimile to the United States Patent and Trademark Office in accordance with 37 CFR § 1.6(d), on the date shown below.

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Deliver to: Examiner Dzung Nguyen, Art Unit 2783
Firm Name: U.S. PATENT AND TRADEMARK OFFICE
Fax Number: (703) 306-5404 Telephone No.: (703) 305-9695
From: André L. Marais
Date: October 6, 2000 Time: _____
Operator: L. Vajretti Matter: 005214.P001R
Number of pages including cover sheet: 76
In Re Reissue Patent Application of: Kuriacose JOSEPH, et al.
Application No.: Not yet assigned 09/672,523
Filed: September 27, 2000
For: APPARATUS FOR TRANSMITTING AND RECEIVING EXECUTABLE
APPLICATIONS AS FOR A MULTIMEDIA SYSTEM, AND METHOD AND
SYSTEM TO ORDER AN ITEM USING A DISTRIBUTED COMPUTING SYSTEM
Enclosed are the following documents: Preliminary Amendment for
Application for Reissue of 5,819,034, filed September 27, 2000

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(Rev. 11/23/97)

P. 01/76

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FEE TRANSMITTAL FOR FY 2000

Complete if Known:
Reissue Application No. Not yet assigned 09-672,523
Filing Date September 27, 2000
First Named Inventor Kuriacose JOSEPH
Group Art Unit 2783
Examiner Name Dzung Nguyen
Attorney Docket No. 005214.P001R

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METHOD OF PAYMENT (check one)
1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:
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Deposit Account Name _____
☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

2. _____ Payment Enclosed:
_____ Check
_____ Money Order
_____ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Code	Fee (\$)	Code	Fee (\$)		
101	690	201	345	Utility application filing fee	
106	310	206	155	Design application filing fee	
107	480	207	240	Plant filing fee	
108	690	208	345	Reissue filing fee	
114	150	214	75	Provisional application filing fee	
SUBTOTAL (1)					\$ NA

2. EXTRA CLAIM FEES - Preliminary Amendment

					Fee from below	Fee Paid
	Claims Remaining After Amd.		Highest No. Previously Paid For	Present Extra		Additional Fee
Total Claims	335	Minus	236	99	Rate	
Indep. Claims	48	Minus	16	32	X18	\$ 1,782.00
					X80	\$ 2,560.00

Large Entity		Small Entity		
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	260	204	130	Multiple dependent claim, if not paid
109	78	209	39	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) \$ 4,342.00

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FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for response within first month	
116	380	216	190	Extension for response within second month	
117	870	217	435	Extension for response within third month	
118	1,360	218	680	Extension for response within fourth month	
128	1,850	228	925	Extension for response within fifth month	
119	300	219	150	Notice of Appeal	
120	300	220	150	Filing a brief in support of an appeal	
121	260	221	130	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive unavoidably abandoned application	
141	1,210	241	605	Petition to revive unintentionally abandoned application	
142	1,210	242	605	Utility issue fee (or reissue)	
143	430	243	215	Design issue fee	
144	580	244	290	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	690	246	345	For filing a submission after final rejection (see 37 CFR 1.129(a))	
149	690	249	345	For each additional invention to be examined (see 37 CFR 1.129(a))	
Other fee (specify) _____					
Other fee (specify) _____					
SUBTOTAL (3) \$ NA					

*Reduced by Basic Filing Fee Paid

SUBMITTED BY:

Typed or Printed Name: André L. MaraisSignature Date 10/16/00Reg. Number Under 37 CFR § 10.9(b)Deposit Account User ID 02-2666

(complete if applicable)

01/10/2000

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PTO/SB/17 (6/99)

P. 03/76

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